Product data sheet Characteristics

XPSMCMEN0200TTG

Speed monitoring 2 TTL encoder expansion module with spring term





Main

Range of product	Preventa Safety automation	
Product or component type	Safe speed monitoring module	
Device short name	XPSMCM	
Electrical connection	Spring terminal	
[Us] rated supply voltage	24 V - 2020 % DC	
Discrete input voltage	24 V DC	
Function of module	Speed monitoring	

Complementary		
Power consumption in W	3 W	
Power dissipation in W	3 W	
Integrated connection type	Backplane expansion bus	
Safety level	Can reach category 4 conforming to EN/ISO 13849-1 Can reach PL = e conforming to EN/ISO 13849-1 Type 4 conforming to EN/IEC 61496-1 SILCL 3 conforming to IEC 62061	
Quality labels	CE	
Number of terminal blocks	4	
Local signalling	1 LED green with PWR marking for power ON 1 LED green with RUN marking for RUN (status) 1 LED red with E IN marking for internal error 1 LED red with E EX marking for external error 2 LEDs orange with ADDR marking for node address 2 LEDs yellow with PROX marking for proximity sensors connection status 2 LEDs yellow with SH marking for speed monitoring status 2 LEDs yellow with ENC marking for encoder connection status	
Connections - terminals	spring clamp terminals, removable terminal block spring clamp terminals, removable terminal block	
Maximum input frequency	5 KHz for sensor 500 KHz for encoder TTL	
Sensor type	Inductive proximity sensor	
Electrical connection	1 connector RJ45 conforming to EIA/TIA-568-A	
Cable cross section	0.22.5 Mm² flexible cablewithout cable end 0.22.5 Mm² solid cablewithout cable end 0.252.5 Mm² flexible cablewith cable end, with bezel 0.252.5 Mm² flexible cablewith cable end, without bezel 0.51 Mm² flexible cablewith cable end, with double bezel	
Mounting support	Omega 35 mm DIN rail conforming to EN 50022	
Depth	22.5 Mm	
Height	99 Mm	

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Width	114.5 Mm
Net weight	0.3 Kg

Environment

Standards	EN/IEC 61496-1
	EN/IEC 61800-5-1
	EN/ISO 13849-1
	IEC 62061
	EN/IEC 61508
Product certifications	TÜV
	CULus
	RCM
IP degree of protection	IP20 (enclosure)
Ambient air temperature for operation	-1055 °C
Ambient air temperature for storage	-2085 °C
Relative humidity	1095 %
Pollution degree	2
[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 61800-5
Insulation	250 V AC between power supply and housing conforming to EN/IEC 61800-5-1
Overvoltage category	II
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming- to EN/IEC 61000-4-2
	Electrostatic discharge immunity test - test level: 20 kV (on air) conforming- to EN/IEC 61000-4-2
	Susceptibility to electromagnetic fields - test level: 10 V/m (801000 MHz) conforming to EN/IEC 61000-4-3
	Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz2 GHz) conforming to EN/IEC 61000-4-3
Vibration resistance	+/-0.35 mm (f= 1055 Hz) conforming to EN/IEC 61496-1
Shock resistance	10 gn (duration = 16 ms) for 1000 shocks on each axis conforming- to EN/IEC 61496-1
Service life	20 Year(S)

Packing Units

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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	246 G	
Package 1 Height	4.5 Cm	
Package 1 width	12.7 Cm	
Package 1 Length	16.2 Cm	
Unit Type of Package 2	S01	
Number of Units in Package 2	6	
Package 2 Weight	1.72 Kg	
Package 2 Height	15 Cm	
Package 2 width	15 Cm	
Package 2 Length	40 Cm	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EV EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	€Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information